INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 92 (1989)

AUTHOR INDEX

Aczel, T. 1
Adams, N.G. 15
Allgood, C. 93
Anderson, S.G. 147
Ausloos, P. 65

Bahr, U. 231
Bean, M.F. 243
Beavis, R. 185
Biemann, K. 211
Biller, J.E. 211
Bowers, M.T. 37
Brophy, J.J. 9
Buckley, T.J. 65

Chait, B.T. 297
Chowdhury, S.K. 135
Cotter, R.J. 243

Dass, C. 267
Desiderio, D.M. 267

Ens, W. 185

Fenselau, C. 289
Futrell, J.H. 147

Geno, P.W. 195
Gross, M.L. 79

Harrison, A.G. 135
Henchman, M. 15
Herman, Z. 15
Hill, J.A. 211
Hillenkamp, F. 231
Holman, R.W. 79
Holmes, J.L. 111
Howard, S.L. 147
Hsu, C.S. 1

Karas, M. 231
Kirchner, N.J. 37
Kluft, E. 171

Lampe, F.W. 53
Lias, S.G. 65
Lim, K.P. 53
Lossing, F.P. 111

Maccoll, A. 9
Macfarlane, R.D. 195
Main, D.E. 185
Martin, S.A. 211
Martin, W.B. 243
Meot-ner (Mautner), M. 123
Mogilevsky, W. 289
Mruzek, M.N. 9
Munson, B. 93
Murphy, C.M. 243

Nibbering, N.M.M. 171

Odell, G.B. 289
Orlando, R. 93

Paulson, J.F. 15

Qian, K. 147

Raley, Jr. T.J. 243
Rogers, E.E. 65

Sato, K. 211
Schueler, B. 185
Shannon, J.S. 9
Shukla, A.K. 147
Sieck, L.W. 123
Silly, L. 243
Smith, D. 15
Sohlberg, K.W. 147
Standing, K.G. 185

Tang, X. 185

Van Doren, J.M. 37

Wang, R. 289

Yoshidome, K. 211

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 92 (1989)

SUBJECT INDEX

acetone molecular ion
collision-induced dissociation reaction dynamics of the —, 147
alkyl halides
the reactions of radical positive ions of aromatic compounds with —, 79
rate and mechanism of alkyl ion formation from — as studied by field ionization kinetics, 171
alkyl ion formation
rate and mechanism of — from alkyl halides as studied by field ionization kinetics, 171
Ar
on the structure of $CH_3O_2^+$ product ions in —/O_2/CH_4 mixtures: the first example of a kinetic surface, 37
array detector
design considerations, calibration and applications of an — for a four-sector tandem mass spectrometer, 211

B/E linked-field–CAD
characterization of neuropeptides by fast atom bombardment and B/E linked-field scan techniques, 267
billirubin
plasma desorption characterization of glucoronide and glutathione conjugates derived from —, 289
bond strengths
— in even-electron ions and the proton affinities of free radicals, 111

CD_4^+
the mechanism of the reaction $CH_4^+ + CH_4 = CH_5^+ + CH_3$ as a function of energy: rate constants and product distributions for the reactions of $CH_4^+ + CD_4$ and — + CH_4 at 80 and 300 K, 15
^{252}Cf plasma desorption MS
—. Contributions from the Rockefeller University, 297
CH_4^+
the mechanism of the reaction — + CH_4 = $CH_5^+ + CH_3$ as a function of energy: rate constants and product distributions for the reactions of — + CD_4 and $CD_4^+ + CH_4$ at 80 and 300 K, 15
$CH_3O_2^+$ product ions
on the structure of — in Ar/O_2/CH_4 mixtures: the first example of a kinetic surface, 37
CH_4
On the structure of $CH_3O_2^+$ product ions in Ar/O_2/— mixtures: the first example of a kinetic surface, 37
chloromethanes
the reactions of silyl ions with —, 53
collision-induced dissociation
— reaction dynamics of the acetone molecular ion, 147
collision-induced fragmentation
— of gaseous negative ions and the rate of proton transfer reactions, 135

even-electron ions
bond stengths in — and the proton affinities of free radicals, 111

FAB–CAD
characterization of neuropeptides by fast atom bombardment and B/E linked-field scan techniques, 267
FAB-MS
fragmentation of carbohydates in laser desorption, plasma desorption and fast atom bombardment mass spectrometry, 243
field ionization kinetics
rate and mechanism of alkyl ion formation from alkyl halides as studied by —, 171
fossil fuel distillates
recent advances in the low voltage mass spectrometric analysis of —, 1
four-sector tandem MS
design considerations, calibration and applications of an array detector for a —, 211
fragmentation of carbohydrates
— in laser desorption, plasma desorption and fast atom bombardment mass spectrometry, 243
free radicals
bond strengths in even-electron ions and the proton affinities of —, 111

glucuronide conjugates
plasma desorption characterization of — and glutathione conjugates derived from bilirubin, 289
glutathione conjugates
plasma desorption characterization of glucuronide and — derived from bilirubin, 289

kinetic surface
on the structure of $CH_3O_2^+$ product ion in $Ar/O_2/CH_4$ mixtures: the first example of a —, 37

laser desorption MS
fragmentation of carbohydrates in —, plasma desorption and fast atom bombardment mass spectrometry, 243
low-energy
—, low-temperature mass spectra. XII. Identification of the isomers of the menthols and menthol methyl ethers by —, low-temperature mass spectrometry, 9
low-temperature
low-energy — mass spectra. XII. Identification of the isomers of the menthols and menthol methyl ethers by low-energy, — mass spectrometry, 9
low-velocity molecular ions
secondary electron emission induced by impact of — on a microchannel plate, 195
low voltage MS
recent advances in the low voltage mass spectrometric analysis of fossil fuel distillates, 1

menthol methyl ethers
low-energy, low-temperature mass spectra. XII. Identification of the isomers of the menthols and — by low-energy, low-temperature mass spectrometry, 9
menthols
low-energy, low-temperature mass spectra. XII. Identification of the isomers of the — and menthol methyl ethers by low-energy, low-temperature mass spectrometry, 9
microchannel plate
secondary electron emission induced by impact of low-velocity molecular ions on a —, 195

neuropeptides
characterization of — by fast atom bombardment and B/E linked-field scan techniques, 267

O_2
on the structure of $CH_3O_2^+$ product ions in $Ar/—/CH_4$ mixtures: the first example of a kinetic surface, 37

phenylium ions
concerning the formation and the kinetics of —, 65
plasma desorption
— characterization of glucuronide and glutathione conjugates derived from bilirubin, 289
plasma desorption MS
fragmentation of carbohydrates in laser desorption, — and fast atom bombardment mass spectrometry, 243
product distributions
the mechanism of the reaction $CH_4^+ + CH_4 = CH_5^+ + CH_3$ as a function of energy: rate constants and — for the reactions of $CH_4^+ + CD_4$ and $CD_4^+ + CH_4$ at 80 and 300 K, 15
proteins in the 100 000 dalton range
UV laser matrix desorption/ionization mass spectrometry of —, 231
proton affinities
bond strengths in even-electron ions and the — of free radicals, 111
proton transfer reactions
collision-induced fragmentation of gaseous negative ions and the rates of —, 135
protonated diethyl ether
thermal decomposition of ions. III. Protonated ethanol and —, 123
protonated ethanol
thermal decomposition of ions, III. — and diethyl ether, 123

rate constants
the mechanism of the reaction $CH_4^+ + CH_4 = CH_5^+ + CH_3$ as a function of energy: — and product distributions for the reactions of $CH_4^+ + CD_4$ and $CD_4^+ + CH_4$ at 80 and 300 K, 15

secondary electron emission
— induced by impact of low-velocity molecular ions on a microchannel plate, 195
silyl ions
the reactions of — with chloromethanes, 53

TOF mass spectrometry
unimolecular decay measurements of secondary ions from organic molecules by —, 185

trimethylsilyl compounds
the ion chemistry and thermochemistry of several —, 93

ultraviolet MS
UV laser matrix desorption/ionization mass spectrometry of proteins in the 100000 dalton range, 231
unimolecular decay measurements
— of secondary ions from organic molecules by time-of-flight mass spectrometry, 185